

# Temperature & Humidity Monitoring Door Status Monitoring

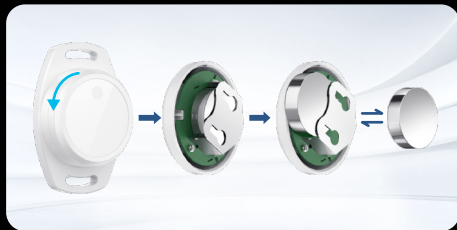


## L02 Sensor Condition Monitoring

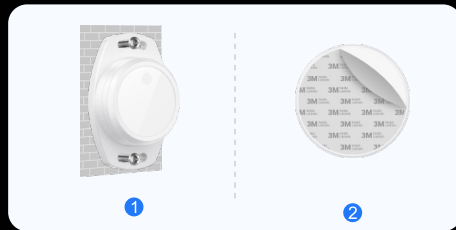
The L02 Sensor, Bluetooth Low Energy technology based, is a all-in-one sensor which contained temperature sensor, hall effect sensor and accelerometer sensor. It can monitor the door status and temperatures of the vehicle or trailer and broadcasts the data via BLE to be picked up by trackers or BLE gateways and transmitted to server eventually.

It can also store 50000 groups of sensor data, which is design in response to industry demands for environment monitoring to resolve losses caused by unallowable temperature deviation and unauthorized opening.

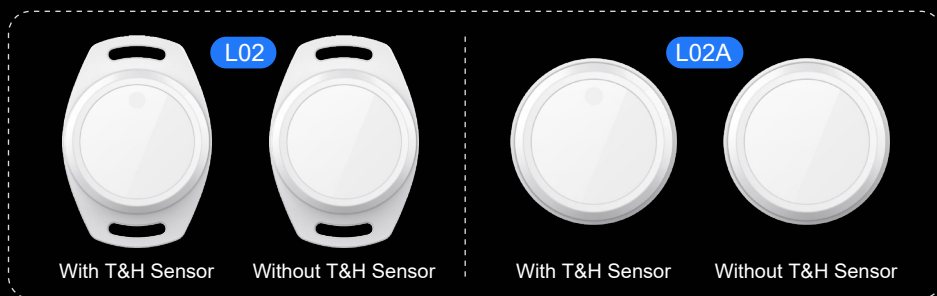
### What Impressed



Rotating replaceable battery



Multiple adaptive installation



IP67 waterproof



High accuracy sensing



Historical data storage



Rotating replaceable battery



All-in-one sensor integration

### General Specs

Connectivity:	BLE 5.0
Dimensions:	69.9*46.7*18mm (L02) Φ45*18mm (L02A)
Color:	Gray
Material:	PC
IP rating:	IP67
Sensor:	Temperature&Humidity sensor Hall effect sensor Accelerometer sensor Barometric pressure sensor

Battery capacity:	1000mAh   replaceable battery
Flash memory:	2M Bytes
Battery lifespan:	4 years - 5s reporting
Operating temperature:	-20°C to 60°C (Can be extended to -40°C~85°C)
Transmission range:	Up to 150m (Without any obstacles)
Installation:	Sticker   Screw   Zip Tie
Certification:	FCC   CE   RoHS   REACH   Bluetooth

### Sensor Specs

Temperature & Humidity sensor	
Accuracy tolerance:	±0.2°C(condition: 0°C - 60°C) ±1.8% RH(condition: 20% - 80% RH)
Resolution:	0.1°C   0.1% RH
Operating temperature:	-40°C - 125°C   0 - 100 %RH
History storage:	50000 groups

### Barometric Pressure Sensor

Pressure measurement range	30kPa - 125kPa
Relative pressure accuracy	±6Pa

